

IN THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A tool comprising:
a body having a chamber;
a piston within the chamber;
a nose having a channel;
a pin within the channel and physically independent of the piston;
a tip adapter within the channel and having an interior bore within which the pin is movable;
a propulsion element coupled to the body to propel the piston against the pin; and
an actuation element coupled to the propulsion element to actuate the propulsion element,
wherein the channel is dimensioned to retain a fastener until the propulsion element is
actuated; and
wherein the tip adapter comprises an additional actuation element coupled to the
propulsion element, wherein the propulsion element is to be actuated only if both the actuation
element and the additional actuation element are moved.
2. (Canceled)
3. (Original) The tool recited in claim 1, wherein the piston has more mass than the pin.
4. (Original) The tool recited in claim 3, wherein the piston comprises at least one resilient bumper.
5. (Canceled)

6. (Currently Amended) The tool recited in claim 1 [[5]], wherein the tool comprises a vacuum element to couple to a vacuum generator, wherein the nose comprises a passage to receive vacuum from the vacuum element, and wherein the tip adapter comprises a cylindrical wall having a hole to communicate with the passage to receive vacuum.

7. (Canceled)

8. (Currently Amended) The tool recited in claim 1 [[7]], wherein the actuation element and the additional actuation element each comprise a blocking element to block a pilot air vent.

9. (Previously Presented) The tool recited in claim 1, wherein the tool comprises a vacuum element to couple to a vacuum generator, wherein the vacuum element is coupled to the chamber to retract the piston when vacuum is applied to the vacuum element.

10. (Original) The tool recited in claim 1, wherein the actuation element comprises a depressible member to move within the channel.

11. (Original) The tool recited in claim 1,

wherein the propulsion element comprises a supply hose connection and a pilot hose connection to couple to a supply hose and to a pilot hose, respectively,

wherein the supply hose connection is to provide vacuum when air within the pilot hose connection has greater than a predetermined pressure, and

wherein the supply hose connection is to provide air pressure when air within the pilot hose connection has less than the predetermined pressure.

12. (Currently Amended) A tool comprising:

a body having a chamber;

a piston within the chamber;

a nose coupled to the body and having a channel;

a pin within the channel and physically independent of the piston;

an air delivery infrastructure to propel the piston against the pin; and

an actuation element coupled to the air delivery infrastructure to actuate the air delivery infrastructure,

wherein the channel is dimensioned to retain a fastener until the air delivery infrastructure is actuated;

wherein the air delivery infrastructure comprises a supply hose connection and a pilot hose connection to couple to a supply hose and to a pilot hose, respectively,

wherein the supply hose connection is to provide vacuum when air within the pilot hose connection has greater than a predetermined pressure, and

wherein the supply hose connection is to provide air pressure when air within the pilot hose connection has less than the predetermined pressure.

13. (Canceled)

14. (Original) The tool recited in claim 12, wherein the piston has more mass than the pin.

15. (Original) The tool recited in claim 14, wherein the piston comprises at least one resilient bumper.

16. (Original) The tool recited in claim 12 and further comprising:

a tip adapter within the channel and having an interior bore within which the pin is movable.

17. (Previously Presented) The tool recited in claim 16 and further comprising a vacuum element to couple to a vacuum generator, wherein the nose comprises a passage coupled to the vacuum element to receive vacuum, and wherein the tip adapter comprises a cylindrical wall having a hole to communicate with the passage to receive vacuum.

18. (Original) The tool recited in claim 16, wherein the tip adapter comprises an additional actuation element coupled to the air delivery infrastructure, wherein the air delivery infrastructure is actuated only if both the actuation element and the additional actuation element are moved.

19. (Original) The tool recited in claim 18 and further comprising a pilot air supply to first and second pilot air vents, and wherein the actuation element and the additional actuation element each comprise a blocking element to block the first and second pilot air vents, respectively.

20. (Previously Presented) The tool recited in claim 12 and further comprising a vacuum element to couple to a vacuum generator, wherein the vacuum element is coupled to the chamber to retract the piston when vacuum is applied to the vacuum element.

21. (Original) The tool recited in claim 12, wherein the actuation element comprises a depressible member.

22. (Canceled)

23. (Currently Amended) A fastener installation tool comprising:
- a body having a cylindrical chamber;
- a primary hammer movable within the chamber;
- a nose coupled to the body and having a channel that is dimensioned to receive a fastener;
- a secondary hammer, physically independent of the primary hammer, having a pin movable within the channel;
- a tip adapter within the channel and having an interior bore within which the pin is movable;
- an air delivery infrastructure to propel the primary hammer against the secondary hammer, to cause the pin to strike the fastener; and
- an actuation element coupled to the air delivery infrastructure to actuate the air delivery infrastructure; and
- a vacuum element, wherein the nose comprises a passage coupled to the vacuum element to receive vacuum, and wherein the tip adapter comprises a cylindrical wall having a hole to communicate with the passage to receive vacuum.

24. (Original) The tool recited in claim 23, wherein the primary hammer has more mass than the secondary hammer.

25-26. (Canceled)

27. (Currently Amended) The tool recited in claim 23 [[25]], wherein the tip adapter comprises an additional actuation element coupled to the air delivery infrastructure, wherein the air delivery infrastructure is actuated only if both the actuation element and the additional actuation element are moved.

28. (Original) The tool recited in claim 27 and further comprising a pilot air supply to first and second pilot air vents, and wherein the actuation element and the additional actuation element each comprise a blocking element to block the first and second pilot air vents, respectively.

29. (Previously Presented) The tool recited in claim 23 and further comprising a vacuum element to couple to a vacuum generator, wherein the vacuum element is coupled to the chamber to retract the primary hammer when vacuum is applied to the vacuum element.

30. (Original) The tool recited in claim 23,
wherein the air delivery infrastructure comprises a supply hose connection and a pilot hose connection to couple to a supply hose and to a pilot hose, respectively,

wherein the supply hose connection is to provide vacuum when air within the pilot hose connection has greater than a predetermined pressure, and

wherein the supply hose connection is to provide air pressure when air within the pilot hose connection has less than the predetermined pressure.